9.7 cm

MAGNETIC PROPERTIES OF THORIUM FERRICYANIDE

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In the last few years different groups have obtained encouraging results in the field of molecular based ferromagnets. One of the simplest and most convenient molecular building blocks can be found in hexacyanometallate family $[B(CN)_6]^{n-}$, where B is transition metal and n equals 3 and 4 respectively [1, 2, 3]. The aim of the present paper is to supply information on the magnetic and structural properties of $Th_3[Fe(CN)_6]_4.15\ H_2O$ compound. As Th^{4+} ion has no net moment, the system is very simple, with only one type of magnetic ion Fe^{3+}.

Literature

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13.4 cm

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